

CLAIMS

1. A suspension system for a vehicle,
comprising:

5 an outer rotor type motor having a stator
provided on an outer surface of a cylindrical member that
defines space open to at least an inboard side of the
vehicle, and a rotor rotatably supported by the
cylindrical member, wherein the outer rotor type motor is
10 provided within a wheel and the rotor of the outer rotor
is connected to the wheel; and

 a suspension arm whose mounting portion is
provided on an inner surface of the cylindrical member.

15 2. The suspension system as claimed in claim 1
further comprising:

 a bearing that is arranged between the
cylindrical member and the rotor and outboard of the rotor.

20 3. The suspension system as claimed in claim 2
further comprising:

 a sealing that is arranged between the
cylindrical member and the rotor and inboard of the rotor;
and

25 a second bearing that is arranged between the
cylindrical member and the rotor and adjacent to the
sealing.

 4. The suspension system as claimed in claim 1,
30 wherein connected to the rotor is a brake disk that is
disposed such that a disk surface of the brake disk is
located within the space defined by the cylindrical member.